Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: **Region 6 Update # 11**
Deepwater Horizon Incident, Gulf of Mexico
Date: May 8, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 7, 2010 2401 – May 7, 2010 2400
Reporting Period: May 7, 2010 2401 – May 8, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	**FPN#:**	N10036
Mobilization Date:	4/27/2010	**Start Date:**	4/28/2010

2. Current Situation

- Incident Status Summary as reported by BP for operational period 5/7//10 06:00 – 5/8/10 06:00
    - An estimated total of 77.000 barrels of oil released to date; estimated 5,000 barrels released during this operational period.
    - A total of 214,000 feet of boom deployed to date; 29,600 feet deployed during this operational period.

2.1 (USCG) Incident Command Post (Houma, LA)

- Coordinated with USCG to received PRFA amendment for $4 million dollars ($5 million total), having been signed by the FOSC, RADM Mary Landry.
- Coordinated with OSHA on toxicity information in Corexit dispersants, and the accuracy of the MSDS of those products.
- Coordinated with NOAA to obtain updated operational maps to gather situational awareness.
- Submitted Request for Analysis for surface oil samples to BP Environmental Unit and coordinated timeframes of sampling and analysis with them.
- Reviewed and commented on BP Waste Management Plan. Coordinated with LDEQ and LDNR who agreed upon waste classification and disposal treatment options. The State of Louisiana amended their Emergency and Administrative Order to reflect the alignment with LDNR.

- Coordinated with Public Information Office at UC Houma on planned mobilization of EPA Vietnamese Community Liaison Officer.

- Coordinated ASPECT over flights of in situ burning.

- Unclassified underwater anomaly in vicinity of Timbalier Bay is still unclassified. SCAT recon reported no oiling on shoreline in Grand Isle area.

2.2 (USCG) Area Command Post (Robert, LA)

- The Area Command Environmental Unit leadership met this morning to discuss overall strategies for monitoring subsurface dispersed oil plumes. They are preparing a plan that will support all identified EPA requirements while remaining flexible enough to accommodate the extremely fluid nature of the subsurface operational plans. Their plan will address an "efficacy test" which has previously been identified as "Test 3", but will also include a strategy for transitioning into support of potential longer term applications. There has not been a specific proposal for subsea dispersant application at this time.

- The research vessel Brooks / McCall is in the process of deploying to the injection site, with personnel and equipment that can support the subsea dispersant monitoring plan. The crew includes NOAA and EPA staff, and BP and EPA contractors. A communications plan for coordinating the activities and findings of the vessel is being developed at Area Command. The research vessel may be used to conduct analyses beyond the capabilities of SMART teams in support of the efficacy test.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
    - Venice, LA - 29.25274 N, 89.35750 W - V02;
    - Boothville, LA - 29.31449 N, 89.38433 W - V03;
    - Fort Jackson, LA – 29.35699 N, 89.45487 W – V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
    - Chalmette, LA – 29.94562, -89.9721 – C01 - located at Fire Station number 3, near corner of Jackson Street and Judge Perez; this location was discontinued and moved to C04 during the operational period.
    - Poydras, LA – 29.86609, -89.89108 – C02 - located at Fire Station number 8;
    - Hopedale, LA – 29.82209, -89.60862 – C03 - located at the Emergency Operations Center.
    - Chalmette, LA - 29.96082, -90.00132 - C04 – located at FireStation on Aycock.

- Each air monitoring location has 4 pieces of air equipment:
    - DataRAM - monitoring particulate matter PM10 up to 5/8/10. EBAM (Particulate Monitors) equipment will replace DataRAM's throughout the 5/8/10 operational period.
    - AreaRae - monitoring VOCs;
    - PQ200 - samples for PM2.5 (on 5/6 PQ200 will be replaced with E-BAM air monitors);
    - SUMMA Canisters per location - sample for VOCs.
- All air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at Area Command Post in Venice and Chalmette.

- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters.

- Venice and Chalmette operations reported that air monitoring data did not exceed action levels for VOCs or particulates (PM10) on 5/7. Chalmette did not conduct particulate (PM10) monitoring at station CO2.

- **EPA summary of air monitoring/sampling activities:**

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/6
Venice	3 locs/24-hr	3 locs/24-hr	9	3	12
Chalmette	2 locs/24-hr	3 locs/24-hr	3	3	6
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	104	42	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water and sediment sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.

- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.

- On 5/7/10 Chalmette water operation team Collected samples in Biloxi marsh (NE St. Bernard Parish). No oiled wildlife observations and no oil or odors were detected.

- On 5/7/10 Venice had no water operations

- **EPA summary of water/sediment activities:**

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/6
Venice	0	0	0
Chalmette	3	3	6
TOTAL TO DATE	42	35	

*QAQC samples not included in sample count

2. 5 TAGA

- TAGA 1553 continues to perform mobile monitoring for (BTEX) Southeastern LA – Slidell to Hopedale, to Delacroix to Poydras, to Boheman. No BTEX observed above low ppbv levels during any monitoring events - the concentrations observed were associated with vehicular traffic or isolated sources

2.6 ASPECT

- ASPECT conducted one flight on 7 May 2010 the primary objective of the mission was to collect data over any burning operations and collect data over dispersant operations. ASPECT was on station from 1130 to 1330 and no oil burning operations were observed during the time on station. Spectral and IR data was collected over the recovery area and due to excellent visibility (20 miles) 1000 ft aerial images were collected over the recovery area.

- On 5/8, ASPECT is scheduled to fly to position 29.01N 90.21W to recon a potential mass of oil west of the delta and then transition to the oil recovery area to collect photo and spectral data. Next ASPECT will transition to Freemason Island to collect IR and photo data.

2.7 Water Quality Protection Division Update

- No update for this reporting period.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
  - REOC is activated
  - SRICT activated
  - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
EPA								
- OSC	3	1		1		1		6
- RSC	5		1	1				14
- PIO			3					3
- Other	3		2	1	1	1		8
START	5	16				13		34
ERT Contractor		1						1
TAGA Personnel							5	5
ASPECT Personnel							4	4
Other								
TOTALS	16	18	6	3	1	15	9	68

Deployed Equipment

Equipment	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
Mobile Command Post		1						1
ASPECT							1	1
TAGA Bus							2	2
LRV			1			1		2
Gooseneck Trailer		1						1
20 KW Generator		1						1

4. Daily Cost Estimates

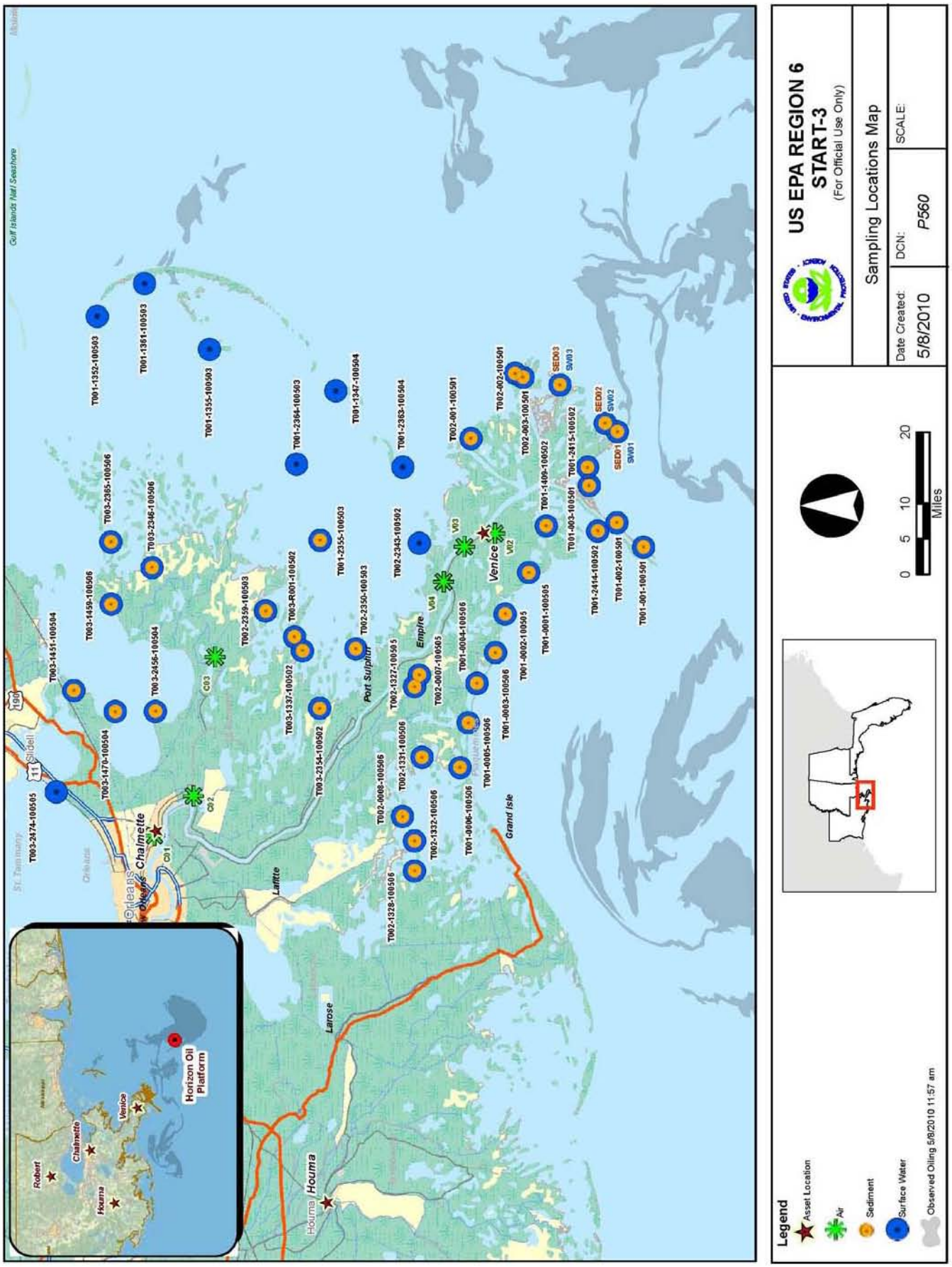
Region 6 Daily Cost Estimates Report

8-May-2010

	Est.Personnel Oblig.	Est. Travel Oblig.	IA/Contract/ Purchase Commit/Oblig	Contract/Purchase Spent	TOTAL OBLIG.	Authorized Ceiling	Balance	Est. Daily Burn Rate
USCG PRFA FPN N10036 $5,000,000 Total $1,000,000 4/28/10 $4,000,000 5/05/10	$126,600	$49,853	$836,213	$643,000	$1,012,666	$4,420,084	$3,600,631	$124,160
TOTAL OPA FUNDED	**$126,600**	**$49,853**	**$836,213**	**$643,000**	**$1,012,666**	**$4,420,084**	**$3,600,631**	**$124,160**
Region 6 Indirect Rate 13.12%						$579,916		
Louisiana Total	**$126,600**	**$49,853**	**$836,213**	**$643,000**	**$1,012,666**	**$5,000,000**	**$3,600,631**	**$124,160**

Figure 1 – US EPA plane "ASPECT" prepared for takeoff in Biloxi, MS.

Monitoring/Sampling Locations

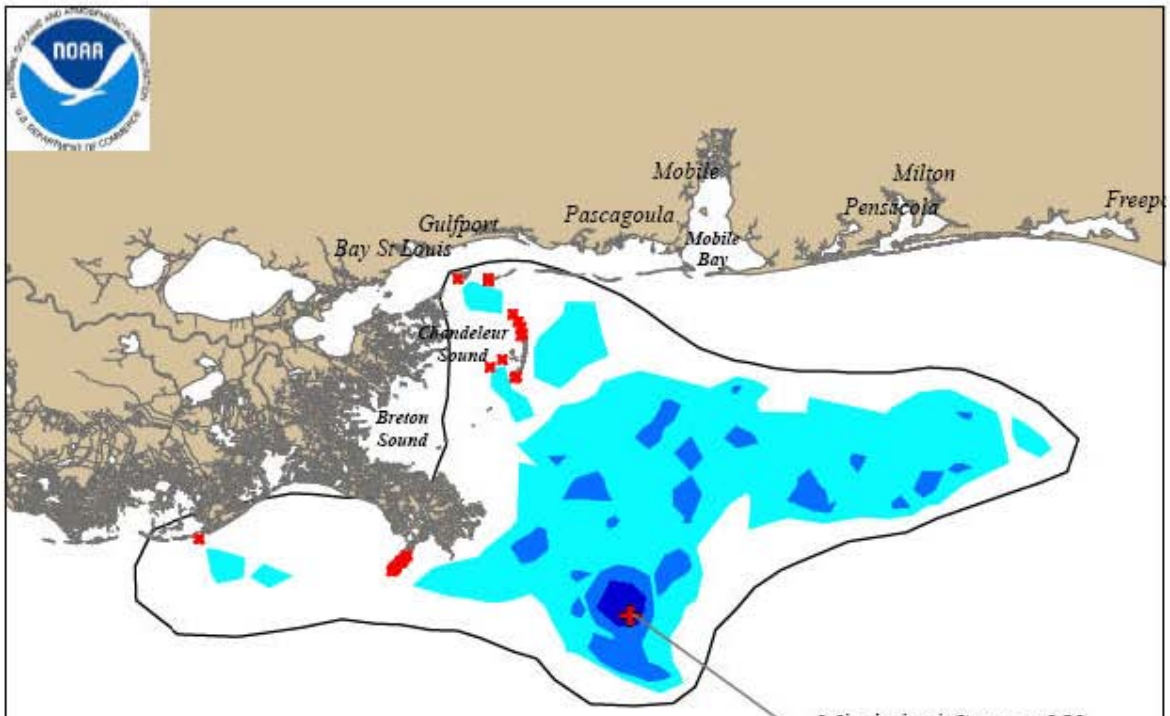


Trajectory Forecast
Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 0600 CDT, Saturday, 5/08/10
Date Prepared: 1300 CDT, Friday, 5/07/10

This forecast is based on the NWS spot forecast from Friday, May 7 AM. Currents were obtained from the NOAA Gulf of Mexico, Texas A&M/TGLO, and NAVO/NRL models; and HFR measurements. The model was initialized from satellite imagery and analysis provided by NOAA/NESDIS obtained Thursday morning, and Thursday/Friday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization).



0 20 40 80
Miles

Winds are forecast to be from the S to SW into Saturday morning. The winds then have an offshore (from N/NE) component through Sunday, becoming easterly on Monday. The Mississippi Delta, Breton Sound and Chandeleur Sound continue to be threatened by shoreline contacts throughout the forecast period. In addition, a westward current south of the Delta may transport oil to the west towards Timbalier Bay.

Trajectory
- Uncertainty
- Light
- Medium
- Heavy
- Potential beached oil

this scale bar shows the meaning of the distribution terms at the current time

Next Forecast: May 8th AM